

FIG. 1

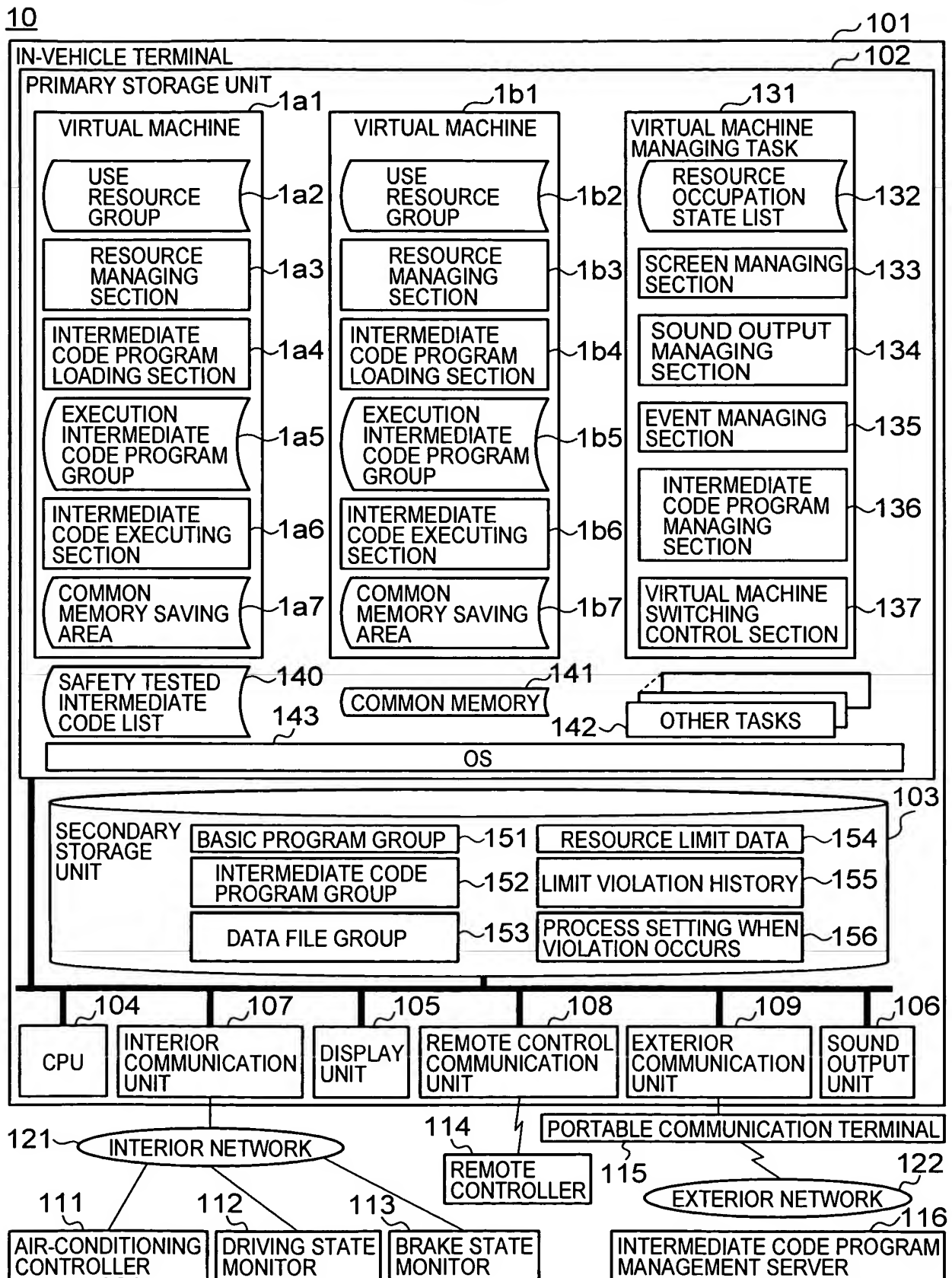


FIG. 2

	RESOURCE TYPE	RESOURCE DETAILS			
{	TASK	TASK ID	STATUS OF USE		PRIORITY
		1	IN USE		6
		2	STANDBY		6
		:	:		:
{	FILE	FILE NAME	SIZE	INTERMEDIATE CODE PROGRAM NAME	
		"user.dat"	478	APPLICATION FOR REPRODUCING MUSIC	
		"addr.dat"	361	APPLICATION FOR DELIVERING NEWS	
		:	:	:	
{	SEMAPHORE	SEMAPHORE ID		STATUS OF USE	
		1		IN USE	
		2		STANDBY	
		:		:	
{	DYNAMIC MEMORY AREA	MEMORY SEGMENT ID		START ADDRESS	SIZE
		3		xxxxxx	100
		2		yyyyyy	200
		:		:	:
	:	:		:	:

FIG. 3

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RESOURCE TYPE	OCCUPYING VIRTUAL MACHINE ID
SCREEN	aaa
REMOTE CONTROLLER	NONE (DRIVING STATE)
SOUND SOURCE	bbb
CPU	aaa
:	:

FIG. 4

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INTERMEDIATE CODE PROGRAM NAME	INTERMEDIATE CODE STRING NAME	VIRTUAL MACHINE ID CONDUCTED A TEST
AIR-CONDITIONING CONTROL APPLICATION	OBTAIN VEHICLE BODY TEMPERATURE	aaa
NAVIGATION APPLICATION	MAKE A SEARCH OF NEARBY SHOPS	aaa
:	:	:
NEWS DELIVERY APPLICATION	OBTAIN THE LATEST INFORMATION	bbb

FIG. 5

154

APPLIED VIRTUAL MACHINE ID	RESOURCE TYPE	LIMIT VALUE
aaa	NUMBER OF CREATABLE TASKS	32 UNITS
	NUMBER OF CREATABLE FILES	128 UNITS
	MAXIMUM CREATABLE FILE SIZE	2048kbyte
	NUMBER OF CREATABLE SEMAPHORES	16 UNITS
	SECURABLE DYNAMIC MEMORY SIZE	256kbyte
	CPU OCCUPATION RATE	70%
	:	:
bbb	NUMBER OF CREATABLE TASKS	16 UNITS
	NUMBER OF CREATABLE FILES	64 UNITS
	MAXIMUM CREATABLE FILE SIZE	512kbyte
	NUMBER OF CREATABLE SEMAPHORES	8 UNITS
	SECURABLE DYNAMIC MEMORY SIZE	64kbyte
	CPU OCCUPATION RATE	30%
	:	:

FIG. 6

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1550 VIOLATION DATE AND TIME	1551 VIRTUAL MACHINE ID	1552 INTERMEDIATE CODE PROGRAM NAME	1553 LIMIT VALUE BEING VIOLATED	1554 VOLUME BEING VIOLATED
2000/1/4 23:25	bbb	APPLICATION FOR REPRODUCING MUSIC	LIMIT VALUE OF MEMORY DYNAMICALLY RESERVED	32byte
2000/3/4 12:09	bbb	APPLICATION FOR REPRODUCING MUSIC	LIMIT VALUE OF TOTAL SIZE OF CREATION AVAILABLE OBJECT	16byte
2000/4/4 18:11	aaa	APPLICATION FOR CONTROLLING AIR-CONDITIONING	LIMIT VALUE OF MEMORY DYNAMICALLY RESERVED	24byte
2000/4/13 09:56	bbb	APPLICATION FOR REPRODUCING MUSIC	LIMIT VALUE OF MEMORY DYNAMICALLY RESERVED	512byte
2000/4/16 11:04	bbb	APPLICATION FOR NEWS DELIVERY	LIMIT VALUE OF MEMORY DYNAMICALLY RESERVED	ONE UNIT
:	:	:	:	:

FIG. 7

156

1560 APPLIED VIRTUAL MACHINE ID	1561 RESOURCE TYPE	1562 VIOLATION COUNT	1563 SUSPEND VIRTUAL MACHINE	1563 TERMINATE VIRTUAL MACHINE	1563 DELETE INTERMEDIATE CODE STRING	1563 NOTIFICATION TO SUPPLIER	1563 CHANGE OF CPU OCCUPATION RATE
aaa	NUMBER OF CREATABLE TASKS	3	○	○	-	○	-
	NUMBER OF CREATABLE FILES	3	○	○	-	○	-
	MAXIMUM CREATABLE FILE SIZE	1	-	-	-	-	-10%
		10	○	-	○	○	-
	SECURABLE DYNAMIC MEMORY SIZE	5	○	○	○	○	-
	:	:	:	:	:	:	:
bbb	NUMBER OF CREATABLE TASKS	3	○	○	-	○	-
	NUMBER OF CREATABLE FILES	3	○	○	○	○	-
	MAXIMUM CREATABLE FILE SIZE	1	-	-	-	○	-10%
		10	○	○	○	○	-
	SECURABLE DYNAMIC MEMORY SIZE	5	○	○	○	○	-
	:	:	:	:	:	:	:

FIG. 8

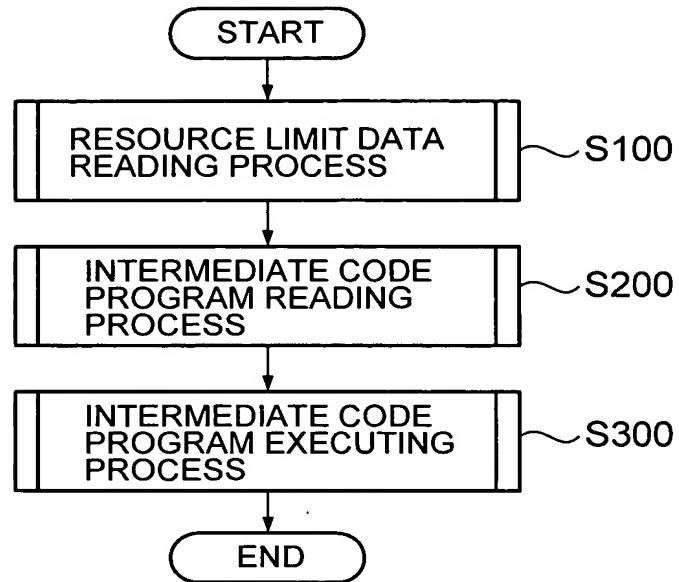


FIG. 9

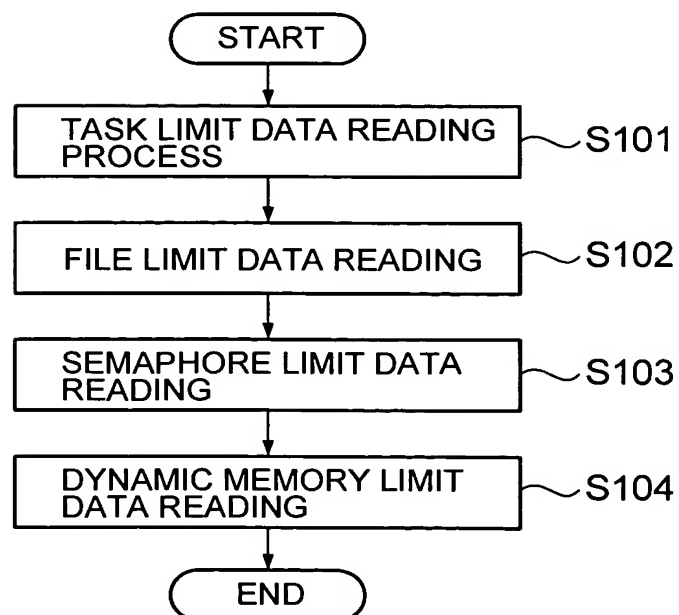
S100

FIG. 10

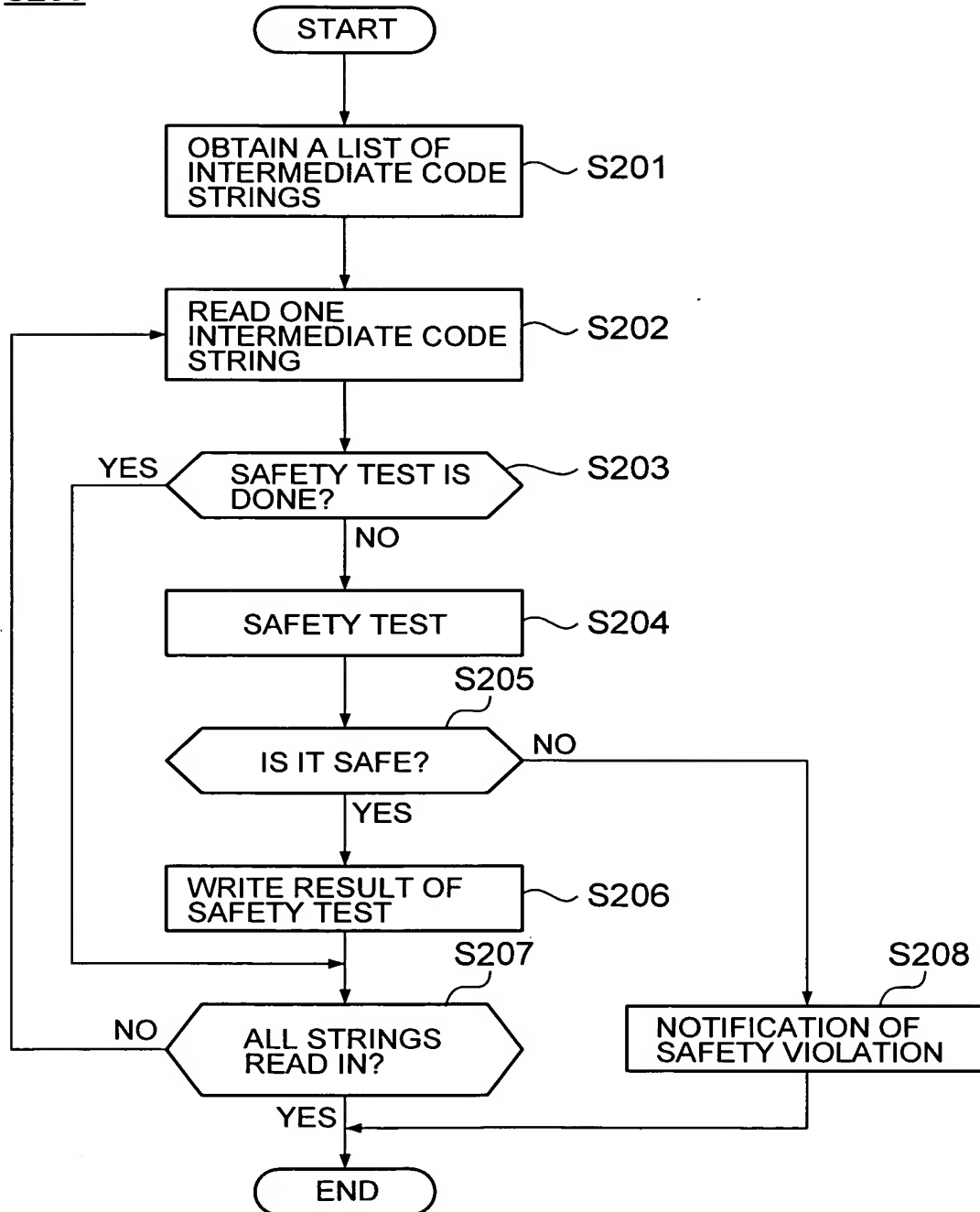
S200

FIG. 11

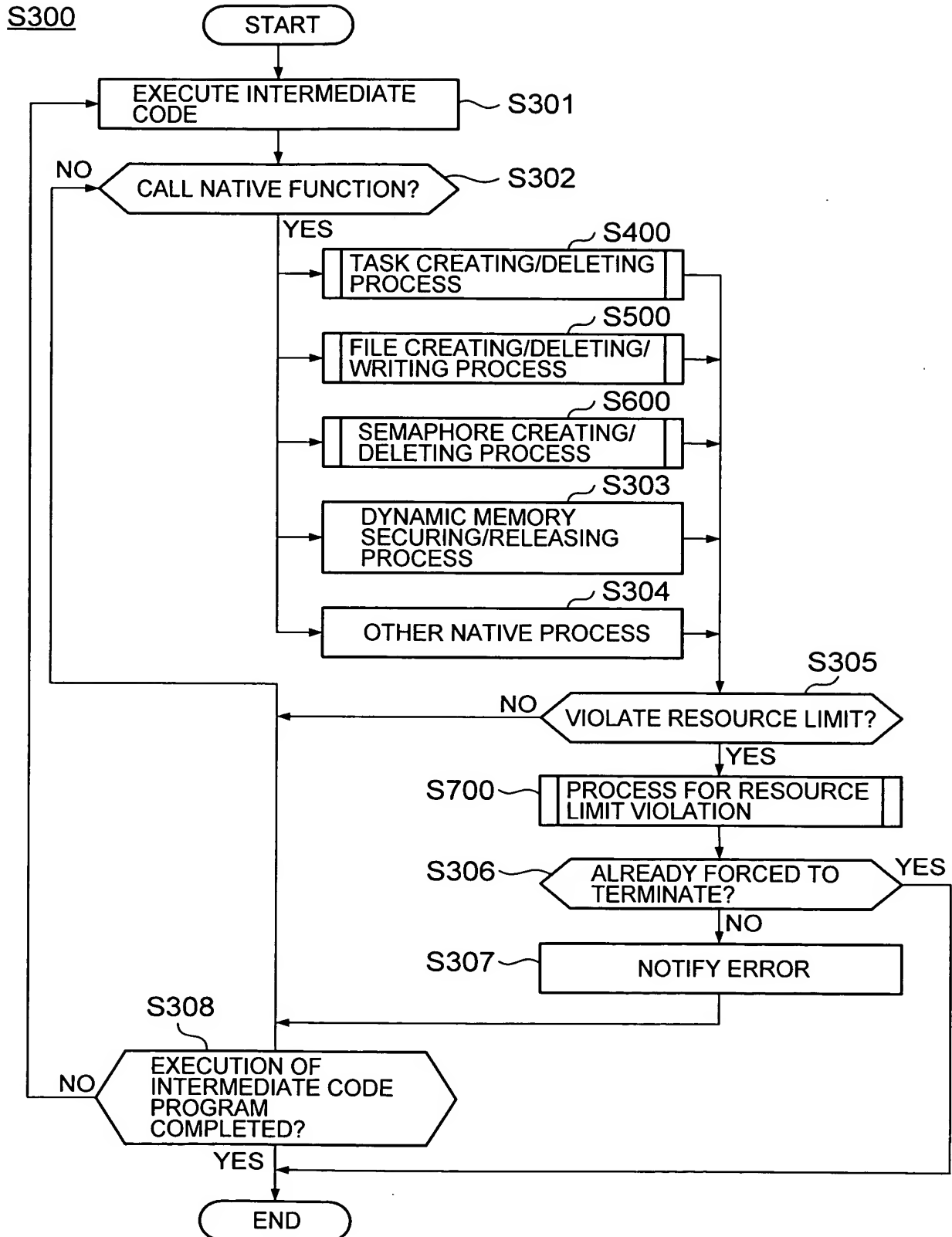


FIG. 12

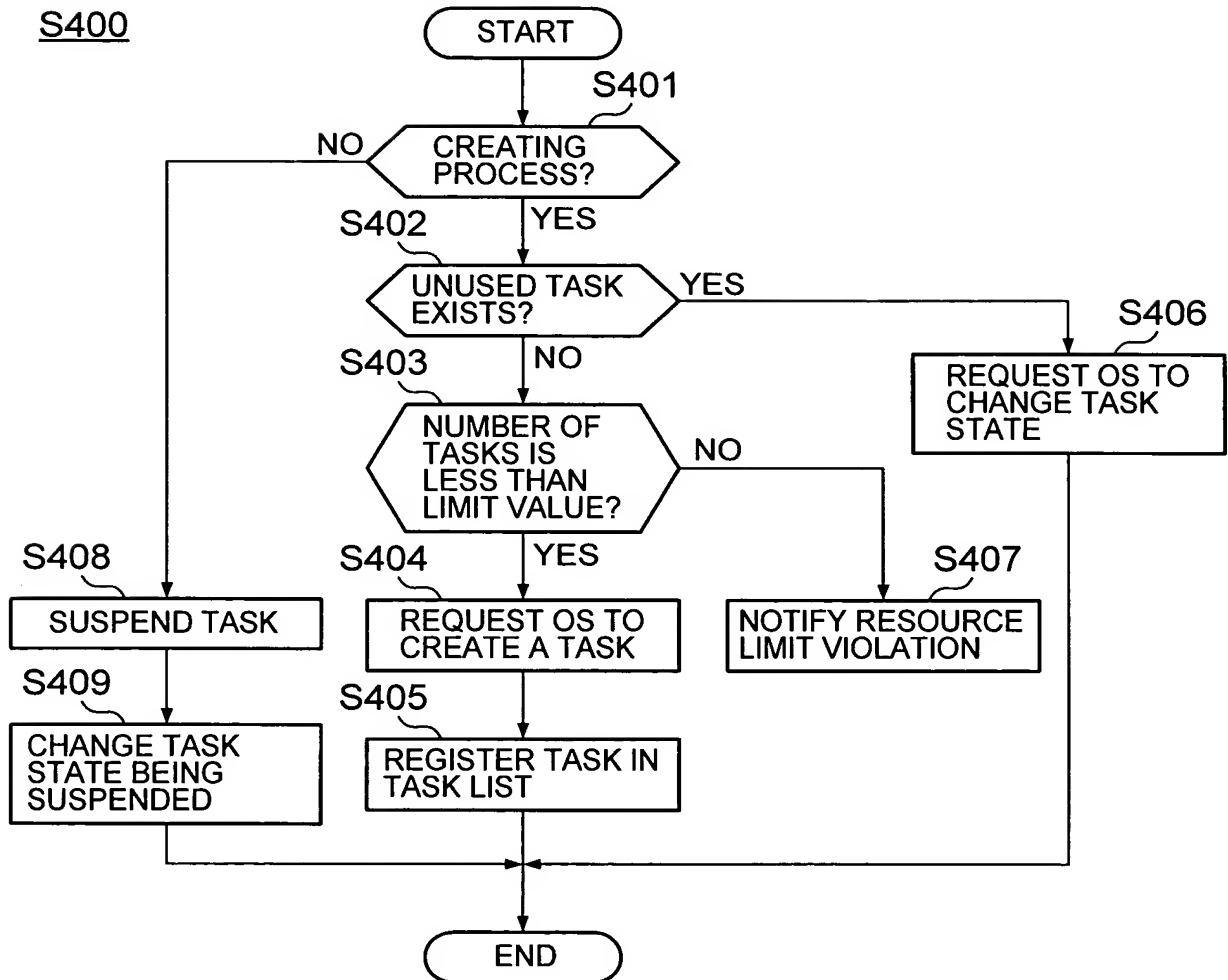


FIG. 13

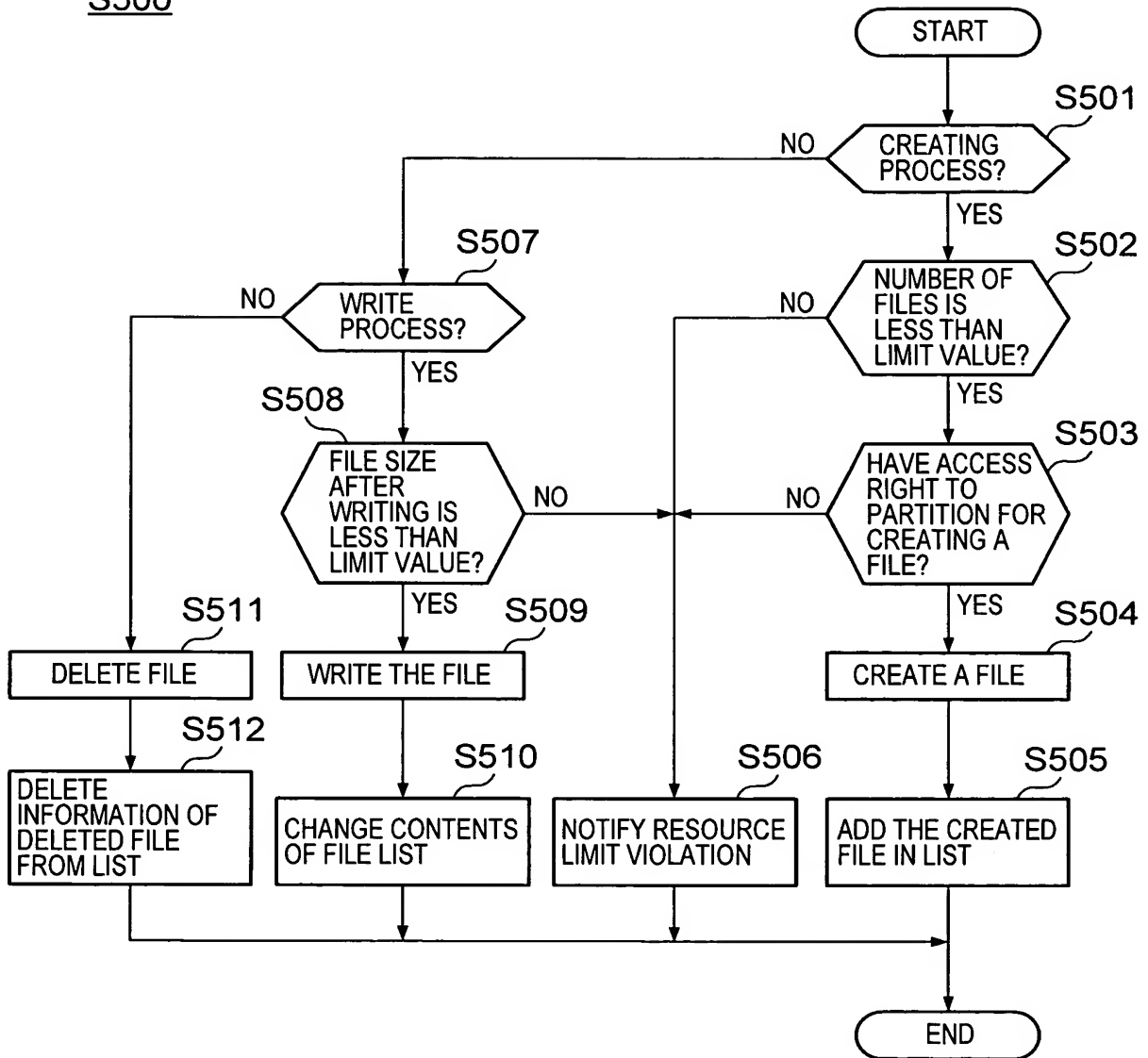
S500

FIG. 14

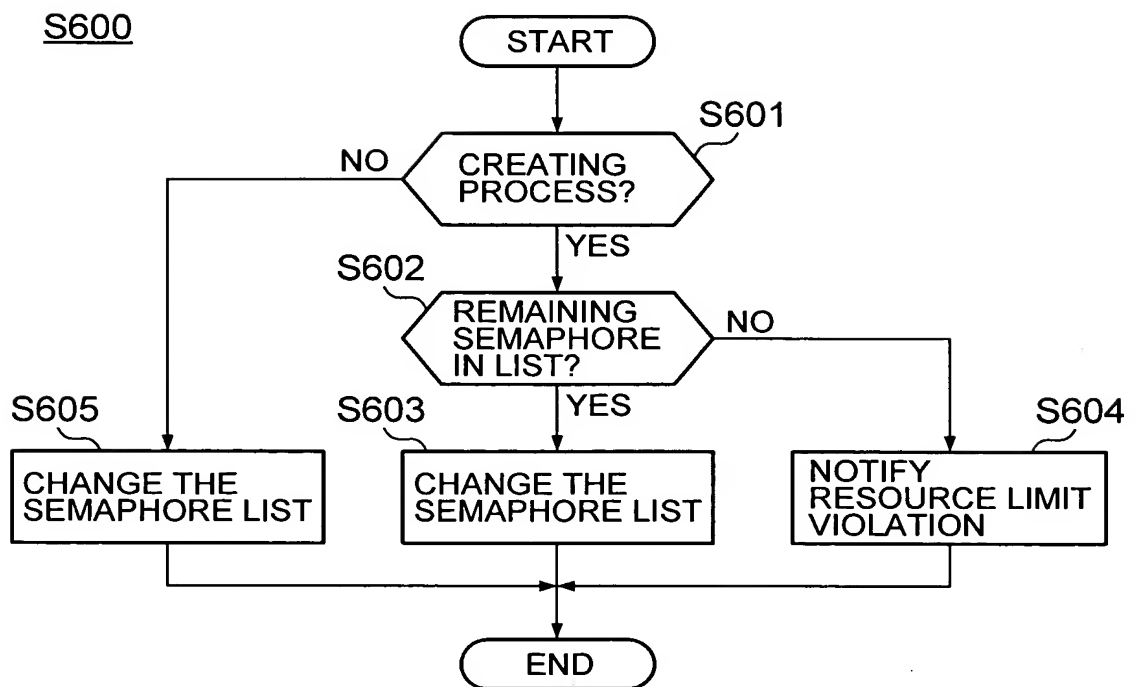


FIG. 15

S700

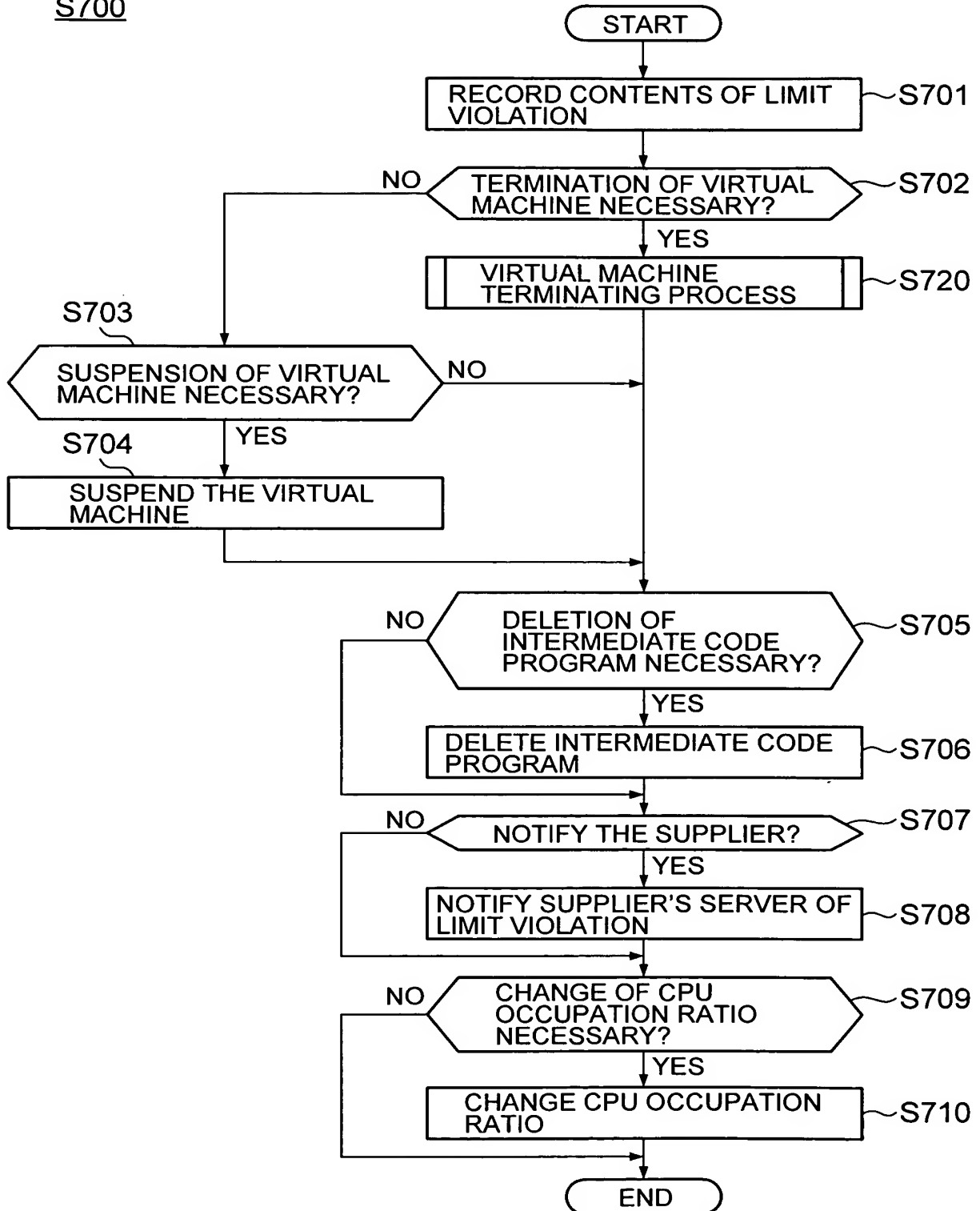


FIG. 16

S720

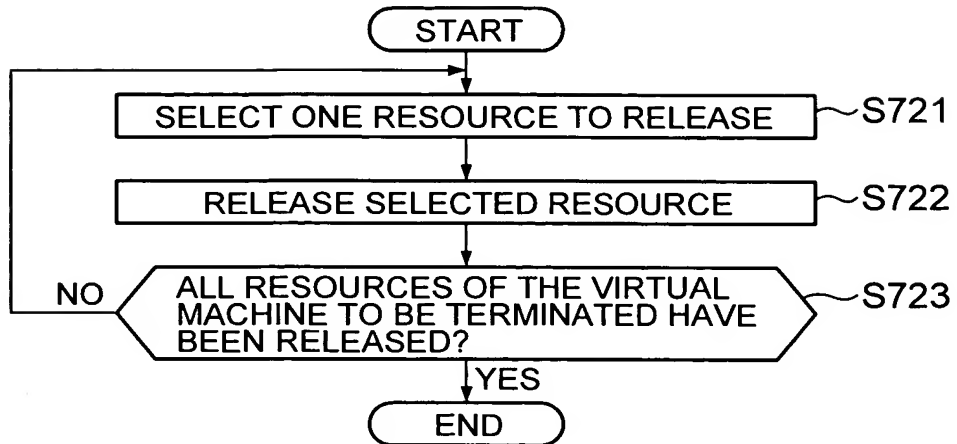


FIG. 17

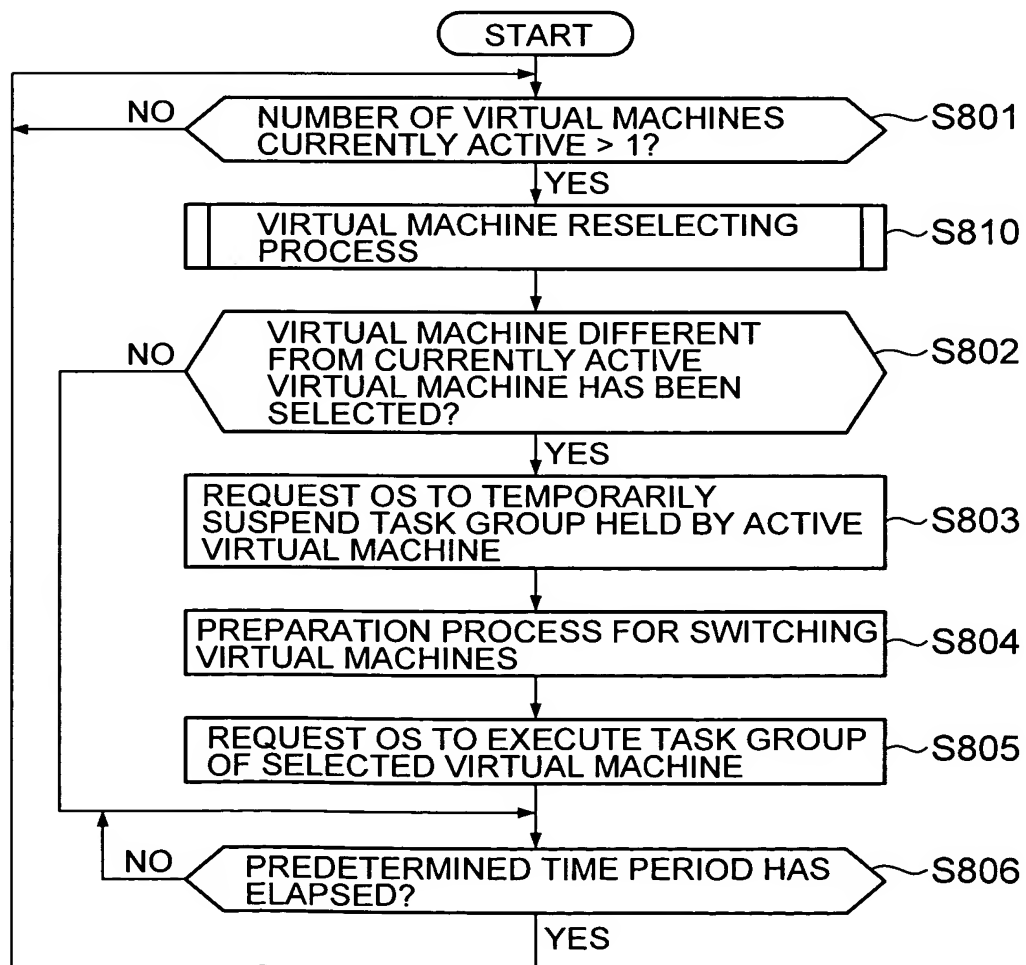


FIG. 18

S810